

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-043407

(43)Date of publication of application : 15.02.2000

(51)Int.Cl. B41M 5/00
B41J 2/01
D21H 27/00

(21)Application number : 10-214341

(71)Applicant : OJI PAPER CO LTD

(22)Date of filing : 29.07.1998

(72)Inventor : SUNAKAWA KANICHI
ASANO SHINICHI
MUKOUYOSHI SHUNICHIRO

(54) INK JET RECORDING PAPER

(57)Abstract:

PROBLEM TO BE SOLVED: To give good glossiness in a blank sheet of paper and printed part, and prevent glossiness and printed quality from lowering during the dress-contact of paper caused by superimposing a number of sheets by allowing the recording surface of recording paper with an ink acceptable layer provided on a base material to have glossiness, and specifying the smoothness of the rear surface.

SOLUTION: The base material is featured that its smoothness (JIS-P8119) of the rear surface (an opposite surface to the side to be provided with an ink acceptable layer having glossiness) in 150 sec or more and 500 sec or lower, preferably, 200 sec or more and 400 sec or lower. Herein, when the smoothness becomes lower than 150 sec, glossiness is damaged on the glossy surface and recording surface during the press-contact of an original paper surface; also, the uniformity and printing density in solid printing become low, resulting in not obtaining a desired ink jet property. In addition, when the smoothness exceeds 500 sec, the absorptiveness of ink lowers extremely. Furthermore, a pigment with a BET specific surface area of 150 m²/g or higher contained in the ink acceptable layer can prevent its glossiness from lowering at the time of press-containing the glossy surface and rear surface.